



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Castle Resources Inc.
 Well Kennedy 1
 Field Farber East
 County Sheridan
 State Kansas

Company Castle Resources Inc.
 Well Kennedy 1
 Field Farber East
 County Sheridan State Kansas

Location: API #: 15-179-21505-00-00
 1760 FSL & 925 FWL
 SEC 32 TWP 8S RGE 27W
 Permanent Datum Ground Level Elevation 2562
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL
 MEL
 Elevation
 K.B. 2567
 D.F.
 G.L. 2562

Date	6/5/2024						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3990						
Depth Logger	3990						
Bottom Logged Interval	3961						
Top Logged Interval	3300						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	2000						
Density	9.2						
Level	Full						
Max. Rec. Temp. F	116						
Operating Rig Time	2 1/2 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	J. Henrickson						
Witnessed By	Jerry Green						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	210	8.625	23	0	210
Two	7.875	210	TD				
Casing Record							

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Hoxie Kansas
 South to 70 Rd, 4 East, 2 North,
 East Into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
 785-625-3858

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: J. Henrickson	Operator:	Operator:	Operator:
Operator:	Operator:	Primary Witness: Jerry Green	Secondary Witness:
Operator:	Operator:	Secondary Witness:	Secondary Witness:
Operator:	Operator:	Secondary Witness:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (102)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (207)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (307-25)	8.50	4.00	250.00
MCAL MI MN	19.58 19.58 19.58		ML-PSIML (401)	7.58	4.00	65.00
RLL3F RLL3	15.50 15.50					
CILD	8.33		DIL-M&W (507)	18.25	3.50	220.00
CILM	4.50					
SP	0.20					

Dataset: castle_kennedy_1.db: field/well/stackml/pass3.1
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_kennedy_1.db
 Dataset field/well/stackml/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 118	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m 0	SPSHIFT mV 317	SRFTEMP degF 0	SZCOR Off	TDEPTH ft 3990		

Variable Description

BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 FLUIDDEN : Fluid Density
 MATRXDEN : Matrix Density
 NPORSEL : Neutron Porosity Curve Select

PERFS : Perforation Flag
 SNDERR : Deep Sonde Error Correction
 SNDERRM : Medium Sonde Error Correction
 SPSHIFT : S.P. Baseline Offset
 SRFTEMP : Surface Temperature
 SZCOR : CN Size Cor. ?
 TDEPTH : Total Depth



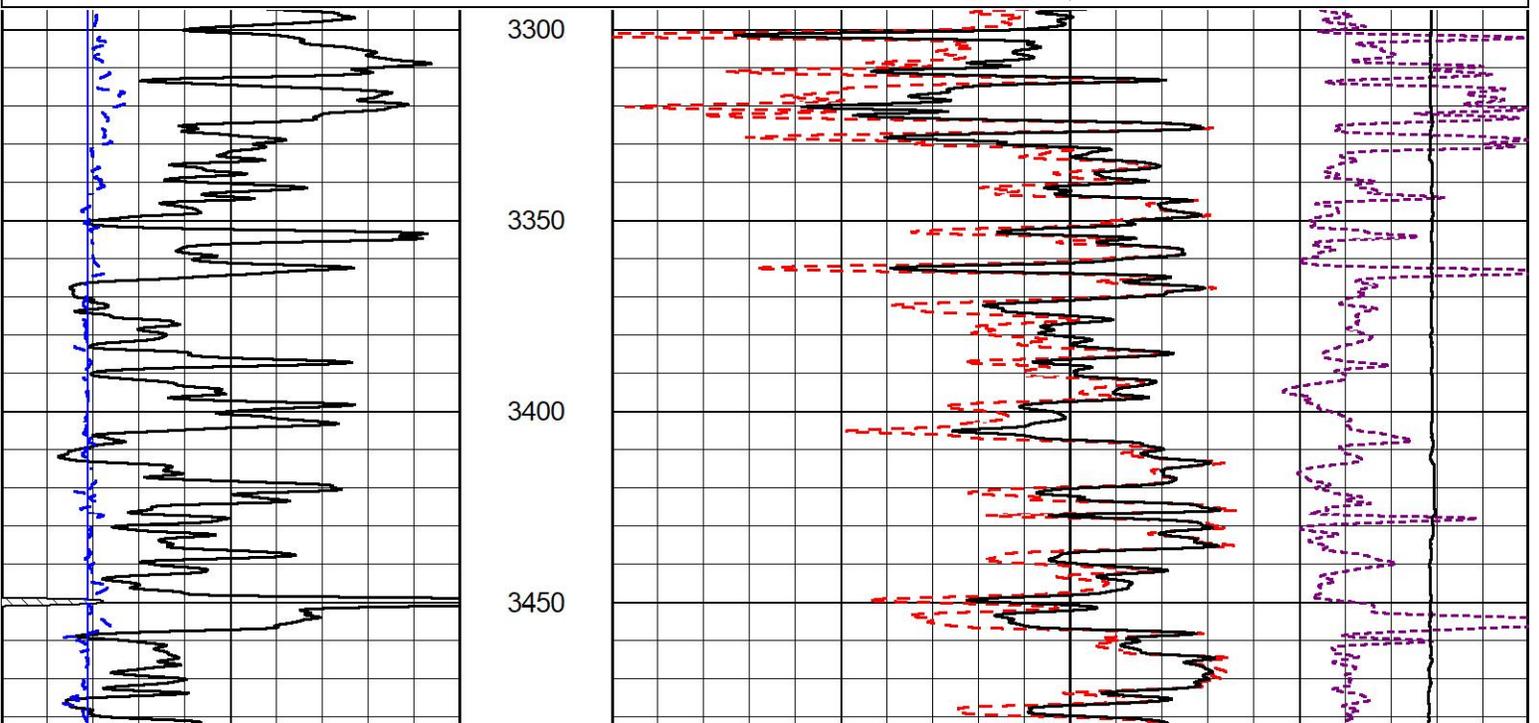
MIDWEST WIRELINE

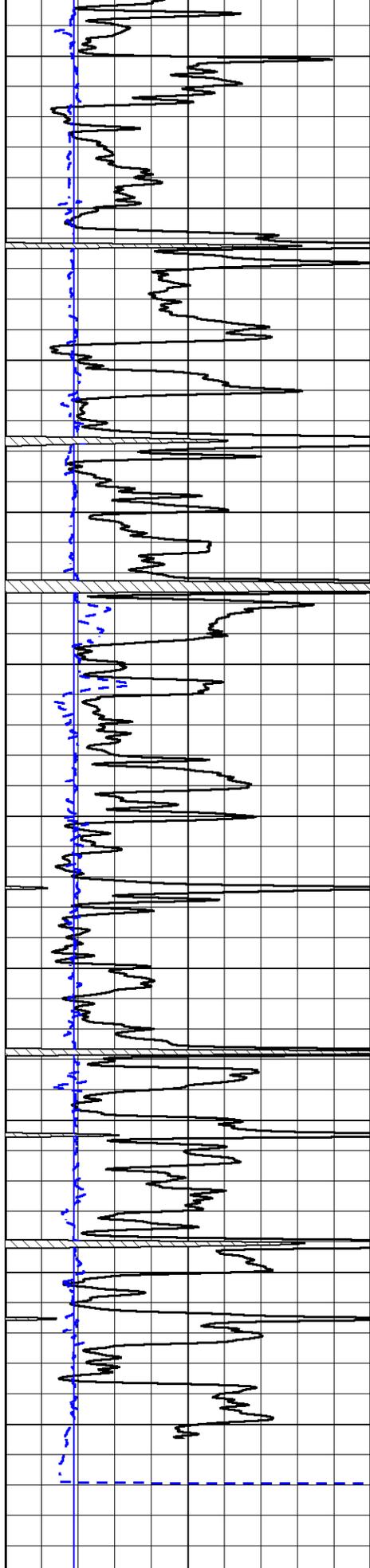
2" SCALE BULK DENSITY

MAIN PASS

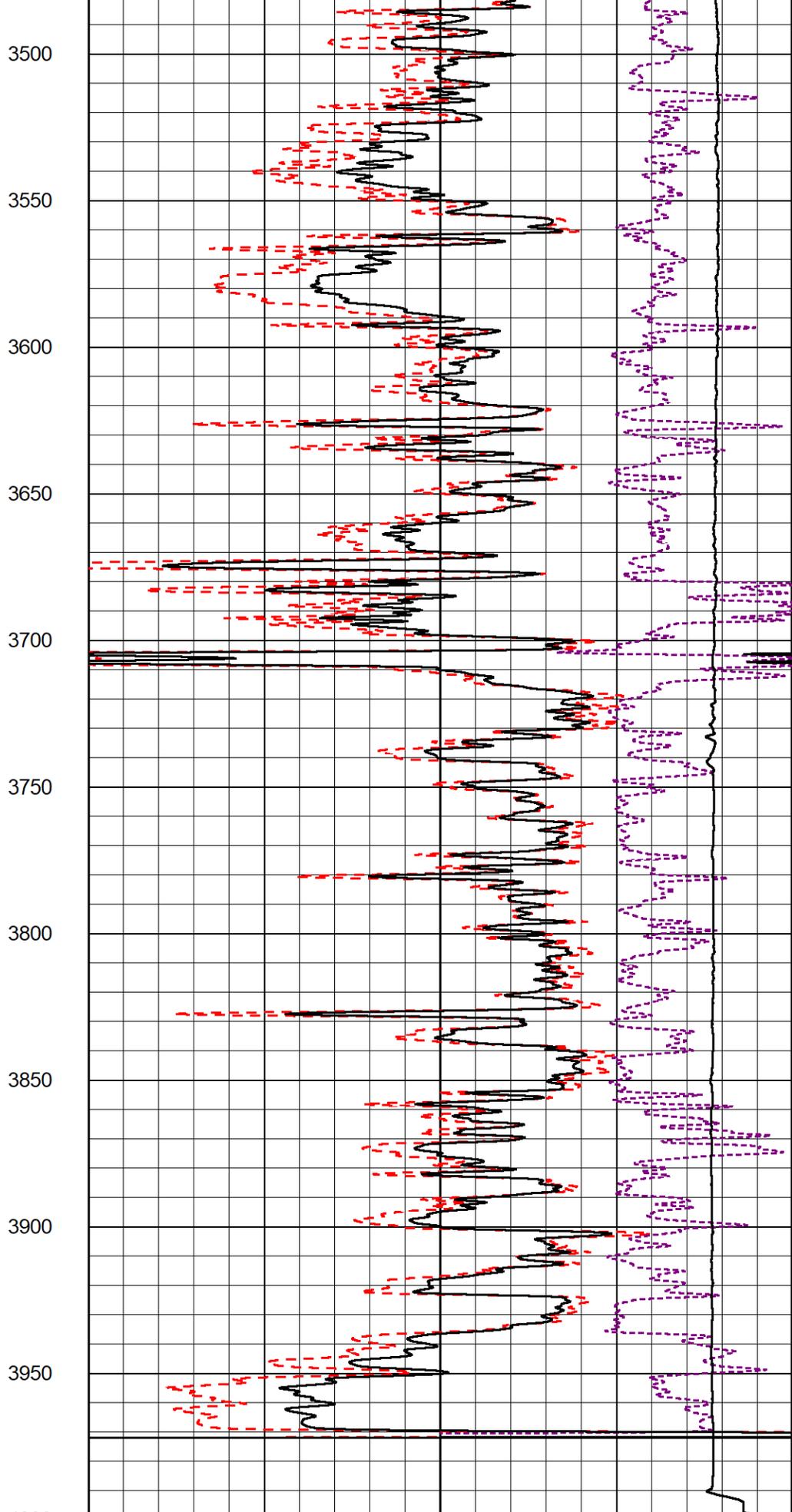
Database File castle_kennedy_1.db
 Dataset Pathname stackml/pass3.3
 Presentation Format _cdl
 Dataset Creation Thu Jun 06 00:36:01 2024
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)	-10	
6	Caliper (in)	16	2	Bulk Density (g/cc)	3	
			15000	Line Tension (lb)	0	
				-0.25	Correction (g/cc)	0.25





0	Gamma Ray (GAPI)	150
6	Caliper (in)	16



30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0

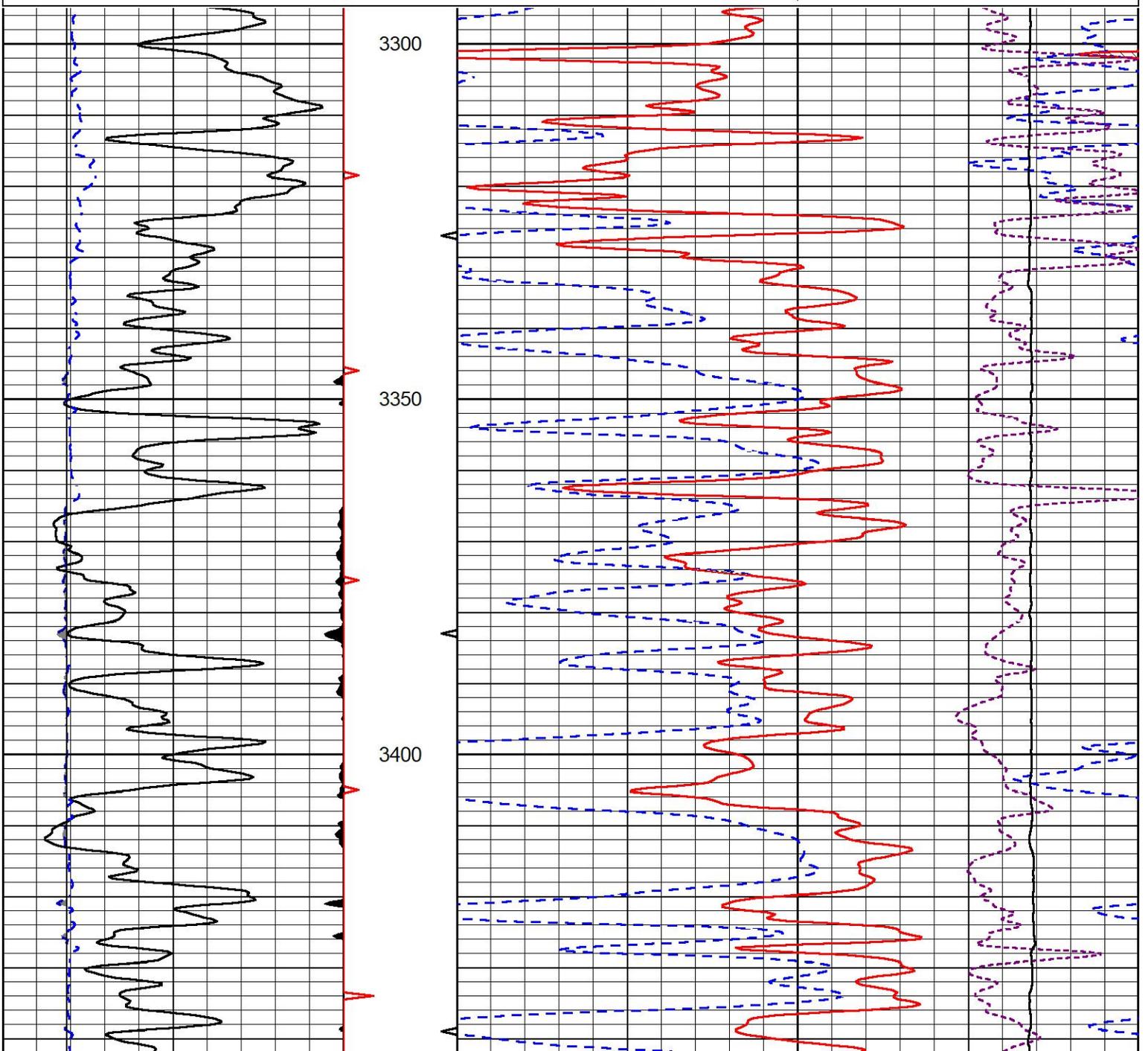


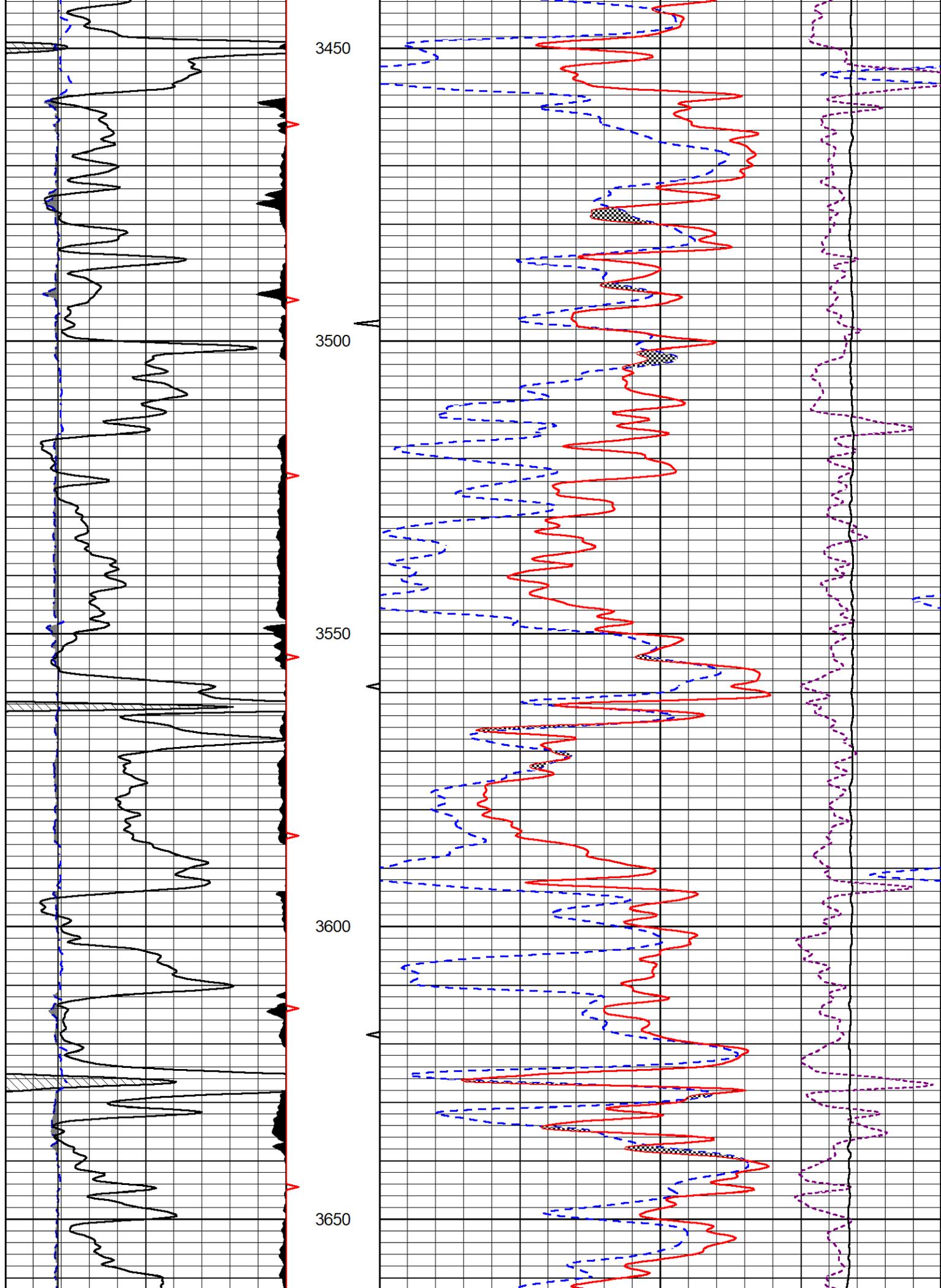
DETAIL SECTION

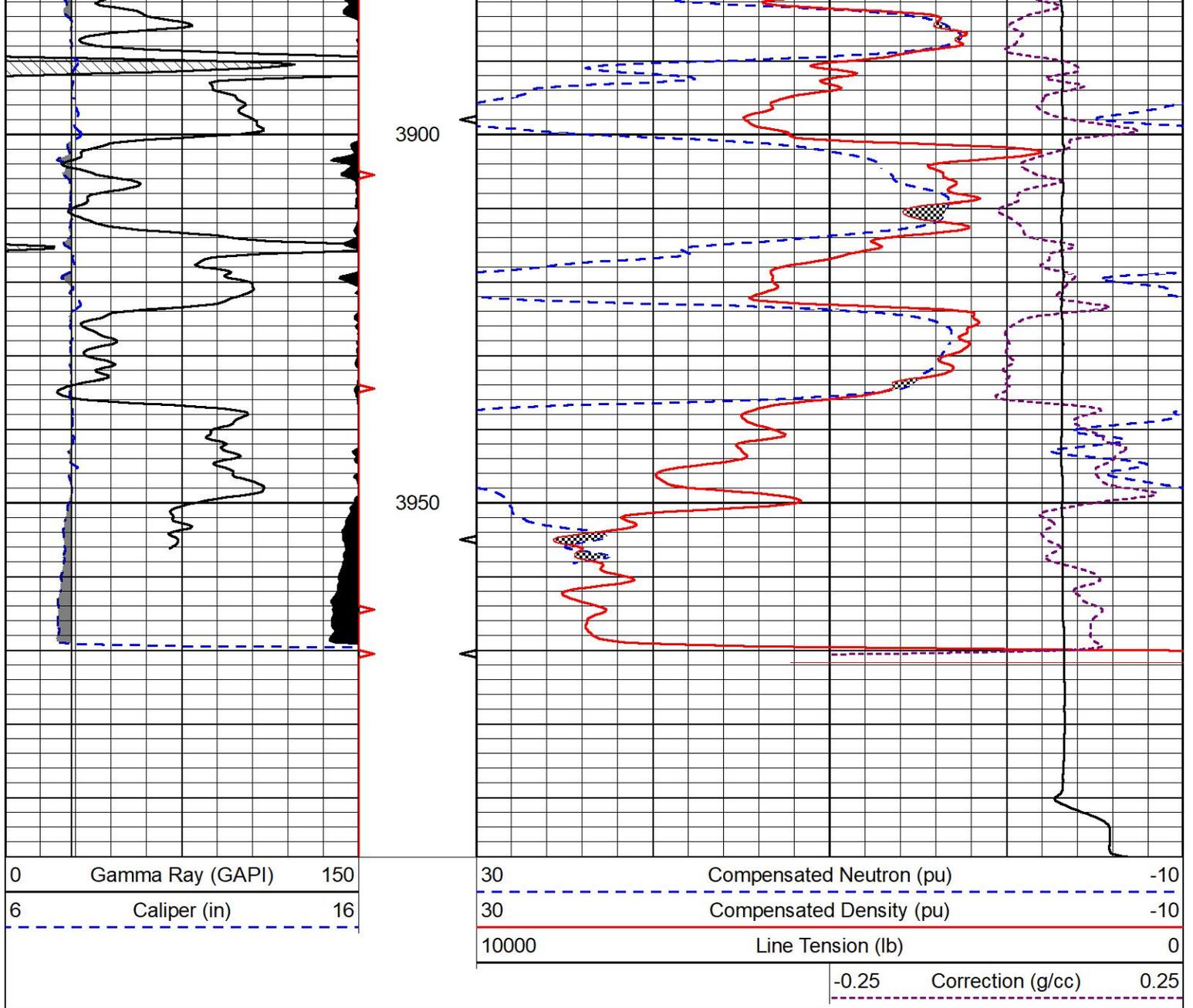
MAIN PASS

Database File castle_kennedy_1.db
 Dataset Pathname stackml/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Thu Jun 06 01:12:34 2024
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	30	Compensated Neutron (pu)	-10
6	Caliper (in)	16	30	Compensated Density (pu)	-10
			10000	Line Tension (lb)	0
				-0.25 Correction (g/cc)	0.25



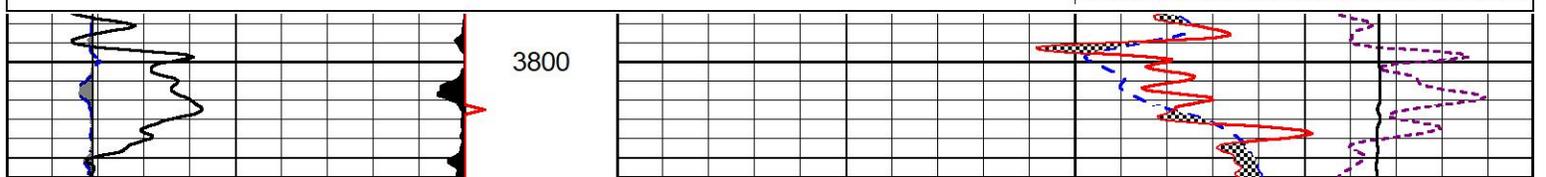
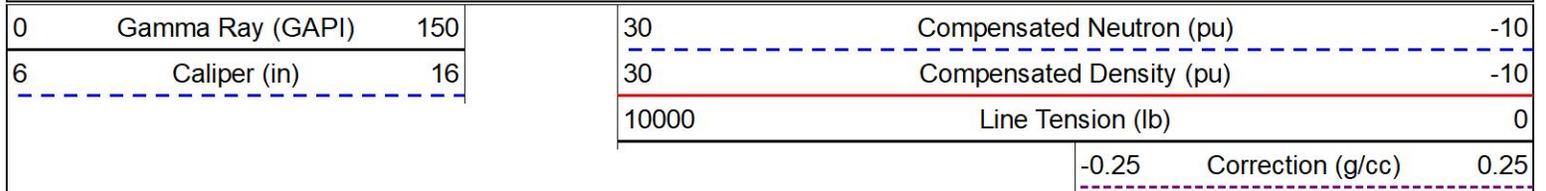


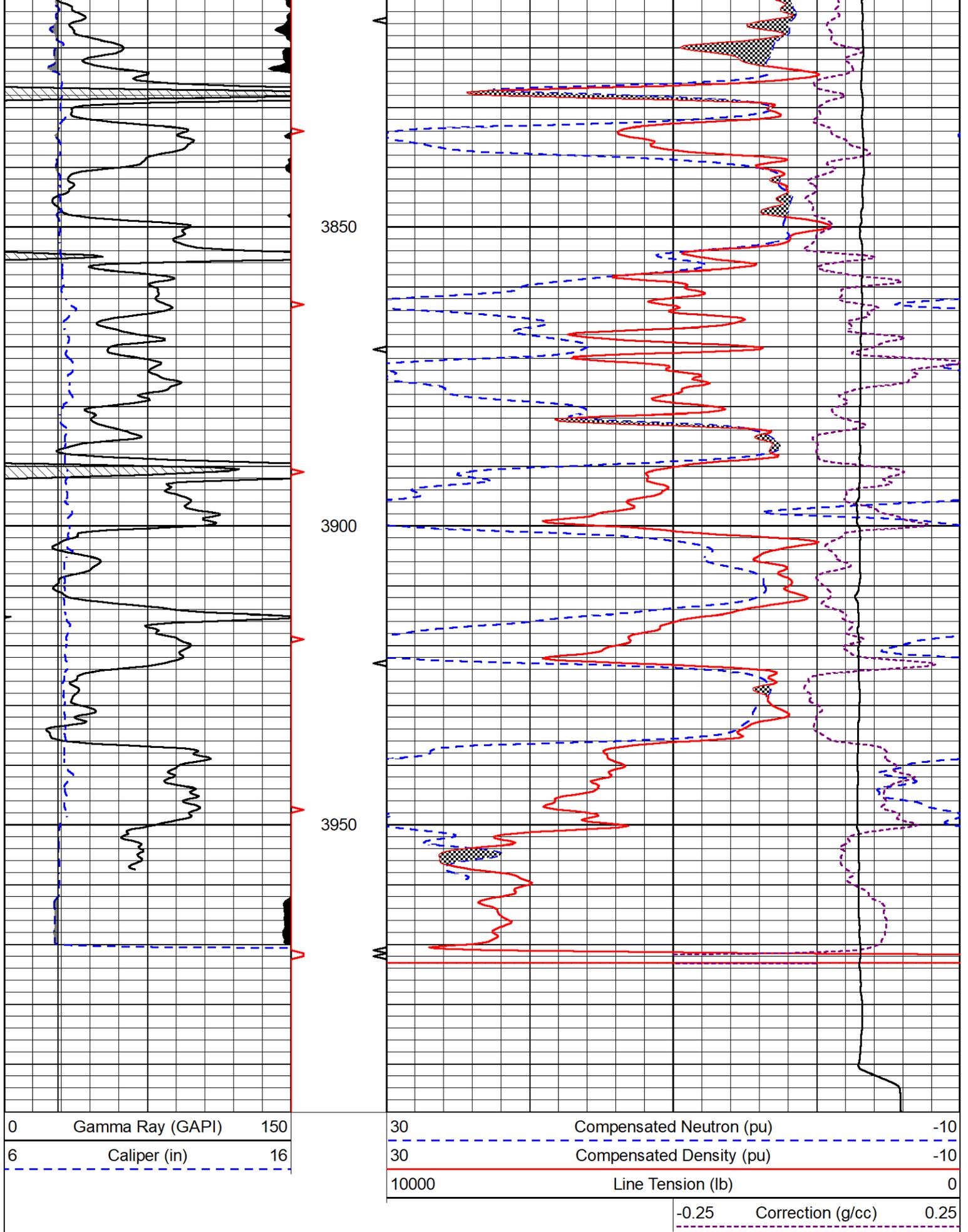


REPEAT SECTION

REPEAT PASS

Database File castle_kennedy_1.db
 Dataset Pathname stackml/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Thu Jun 06 00:37:11 2024
 Charted by Depth in Feet scaled 1:240





Dual Induction Calibration Report

Serial-Model: 507-M&W
 Surface Cal Performed: Fri Jul 14 14:17:56 2023

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	68.570	638.100	0.000	255.800	mmho/m	0.500	-37.000
Medium	184.288	716.191	0.000	255.800	mmho/m	0.450	-79.000

Microlog Calibration Report

Serial-Model: 401-PSIML
 Performed: Wed Apr 24 15:49:52 2024

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	5900.0000	0.0000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	8500.0000	-0.2000
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-139.1200

Compensated Density Calibration Report

Serial-Model: 307-25-M&W
 Source #: 20762B
 Master Calibration Performed: Fri May 17 03:36:26 2024

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.680	g/cc	4451.71	5304.48	cps
Aluminum	2.560	g/cc	978.26	3596.47	cps
Spine Angle = 75.62			Density/Spine Ratio = 0.563		
	Size		Reading		
Small Ring	6.00	in	1.16		
Large Ring	18.00	in	1.01		

Compensated Neutron Calibration Report

Serial Number: 207
 Tool Model: M&W

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number: 102
Tool Model: M&W
Performed: Fri May 17 01:58:13 2024

Calibrator Value: 1.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps
Sensitivity: 0.5300 GAPI/cps



MIDWEST WIRELINE

Company Castle Resources Inc.
Well Kennedy 1
Field Farber East
County Sheridan
State Kansas